

## IN THE CLAIMS

1. (Currently Amended) A method of computing comprising:

~~analyzing~~receiving at execution time, a data processing specification having a first and a second plurality of unnested data processing cell specifications specifying a first and a second data processing cell respectively, with each data processing cell specification having a plurality of statements including~~containing~~ a formula specifying an action or computation, the first data processing cell having a data dependency on the second data processing cell, and specified in a manner to be analyzed before the second data processing cell;

analyzing in real time, the first and then the second data processing cell specification to ~~determine~~ing execution order of said actions/computations specified by said first data processing cell specifications, based at least in part on interaction or computation references between said actions or computations specified; and

effectuating the data processing specified by the data processing specification in accordance with the determined execution order of said actions/computations specified by said first and second data processing cell specifications.

2. (Currently Amended) The method of claim 1, wherein each of said first and second data processing cell specifications is delineated by a beginning and an ending data processing cell specification tag.

3. (Currently Amended I) The method of claim 1, wherein said ~~data processing cell specifications comprise a first and a second data processing cell specification with the second cell~~ the first data processing cell specification ~~has~~ing a formula referencing a value of said ~~second~~first data processing cell specification.

4. (Currently Amended) The method of claim 1, wherein one or ~~both~~more of said first and second data processing cell specifications comprise one or more attribute specifications specifying one or more attributes of the corresponding data processing cell(s) ~~specifications~~.

5. (Currently Amended) The method of claim 4, wherein said ~~data processing cell specifications comprise a first and a second data processing cell specification with the second~~

~~cell~~the first data processing cell specification ~~having an~~ has a first attribute referencing a second attribute of said second~~first data processing cell specification.~~

6. (Currently Amended) The method of claim 1, wherein ~~a first of said~~ second data processing cell -specifications comprises a reserved mnemonic for providing input to the data processing specified by the data processing specification.

7. (Currently Amended) The method of claim 1, wherein ~~a first of said~~ first data processing cell -specifications is a reserved output cell specification specifying output of the data processing specified by the data processing specification.

8. (Currently Amended) The method of claim 1, wherein ~~a first of said~~ second data processing cell specifications comprises a conditionally executed formula.

9. (Original) The method of claim 1, wherein said data processing specification further includes one or more global attributes specifying one or more global processing characteristics for the specified data processing.

10. (Original) The method of claim 9, wherein said one or more global attributes include a global attribute specifying a format for providing the specified data processing with an HTTP request.

11. (Currently amended) An apparatus comprising:

at least one storage unit having stored thereon programming instructions designed to:  
~~analyze~~receive at execution time, a data processing specification having a plurality of first and a second unnested data processing cell specifications specifying a first and a second data processing cell, with each data processing cell specification having a plurality of statements including~~containing~~ a formula specifying an action or computation, the first data processing cell having a data dependency on the second data processing cell, and specified in a manner to be analyzed before the second data processing cell;

analyze in real time, the data processing specification to determine an execution order of  
said actions/computations specified by said first and second data processing cell specifications,  
based at least in part on interaction or computation references between said actions or  
computations specified, and

effectuate the data processing specified by the data processing specification in accordance  
with the determined execution order of said actions/computations specified by said first and  
second data processing cell specifications; and

at least one processor coupled to said at least one storage unit to execute said  
programming instructions.

12. (Currently Amended) The apparatus of claim 11, wherein the programming instructions  
are designed to recognize delineation of each of said first and second data processing cell  
specifications by a beginning and an ending data processing cell specification tag.

13. (Currently Amended) The apparatus of claim 11, wherein said programming instructions  
are designed to support ~~a first of said~~ first data processing cell specifications having a formula  
referencing a value of ~~the a second of said~~ data processing cell specifications.

14. (Currently Amended) The apparatus of claim 11, wherein said programming instructions  
are designed to support one or ~~more both~~ of said first and second data processing cell  
specifications having one or more attribute specifications specifying one or more attributes of the  
corresponding data processing cell(s) ~~specifications~~.

15. (Currently Amended) The apparatus of claim 14, wherein said programming instructions  
are designed to support ~~said data processing cell specifications having a first and a second data~~  
~~processing cell specification with the second cell~~ the first data processing ~~cell specification~~  
having an first attribute referencing a second attribute of said ~~second~~ first data processing cell  
~~specification~~.

16. (Currently Amended) The apparatus of claim 11, wherein said programming instructions  
are designed to support ~~a first of said~~ second data processing cell specifications having a

reserved mnemonic for facilitating provision of input to the data processing specified by the data processing specification.

17. (Currently Amended) The apparatus of claim 11, wherein said programming instructions are designed to support a ~~first of said~~ first data processing cell specifications- being a reserved output cell specification specifying output of the data processing specified by the data processing specification.

18. (Currently Amended) The apparatus of claim 11, wherein said programming instructions are designed to support a ~~first of said~~ second data processing cell specifications- having a conditionally executed formula.

19. (Currently Amended) The apparatus of claim 11, wherein said programming instructions are designed to support a ~~first of said~~ data processing ~~cell specifications-~~ having one or more global attributes specifying one or more global processing characteristics for the specified data processing.

20. (Original) The apparatus of claim 19, wherein said programming instructions are designed to support one of said one or more global attributes being a global attribute specifying a format for providing the specified data processing with an HTTP request.

21. (Currently Amended) An apparatus comprising:

means for ~~receiving~~analyzing at execution time, a data processing specification having a ~~plurality~~ first and a second unnested data processing cell specifications specifying a first and a second data processing cell, with each data processing cell specification having a plurality of statements including~~containing~~ a formula specifying an action or computation, the first data processing cell having a data dependency of the second data processing cell, and specified in a manner to be analyzed first;

means for analyzing and determining in real time, execution order of said actions/computations specified by said first and second data processing cell specifications, based

at least in part on interaction or computation references between said actions or computations specified; and

means for effectuating the data processing specified by the data processing specification in accordance with the determined execution order of said actions/computations specified by said first and second data processing cell specifications.